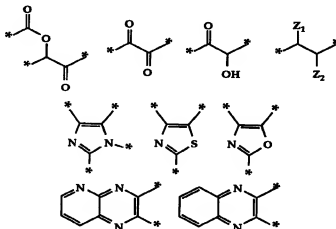




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07D 233/70, 233/60, C07C 327/10, A61K 31/21, 31/235, 31/695		A1	(11) International Publication Number: WO 98/27065 (43) International Publication Date: 25 June 1998 (25.06.98)
(21) International Application Number: PCT/US96/20508 (22) International Filing Date: 16 December 1996 (16.12.96) (71) Applicant: ONTOGEN CORPORATION [US/US]; 2325 Camino Vida Roble, Carlsbad, CA 92009 (US). (72) Inventors: MJALLI, Adnan; 2292 Rock View Glen, Escondido, CA 92026 (US). SARSHAR, Sepehr; Apartment 2, 2166 Oxford Avenue, Cardiff by the Sea, CA 92007 (US). CAO, Xiaodong; 3429 Corte Viejo, Carlsbad, CA 92009 (US). BAKIR, Farid; Apartment F, 4721 Choctaw Drive, San Diego, CA 92115 (US). (74) Agent: CHOW, Frank, S.; 2325 Camino Vida Roble, Carlsbad, CA 92009 (US).			(81) Designated States: AU, CA, JP, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>

(54) Title: MODULATORS OF PROTEINS WITH PHOSPHOTYROSINE RECOGNITION UNITS



(A1)

(57) Abstract

The present invention relates to novel protein tyrosine phosphatase modulating compounds having the general structure shown in Formula (A1) $Y-X-C(R')-C(R'')COOR'''$, to methods for their preparation, to compositions comprising the compounds, to their use for treatment of human and animal disorders, to their use for purification of proteins or glycoproteins, and to their use in diagnosis. The invention relates to modulation of the activity of molecules with phosphotyrosine recognition units, including protein tyrosine phosphatases (PTPases) and proteins with Src-homology-2 domains, in *in vitro* systems, microorganisms, eukaryotic cells, whole animals and human beings. R' and R'' are independently selected from the group consisting of hydrogen, halo, cyano, nitro, trihalomethyl, alkyl, arylalkyl. R''' is selected from the group consisting of hydrogen, alkyl, substituted alkyl, aryl, arylalkyl. X is aryl. Y is selected from hydrogen or α wheirin (*) indicates a potential point of attachment to X .

